

### **GEOSERVE DRILLING SERVICES**

### **PROJECT REPORT UPDATE – CIMERA KARIN PROJECT – ZANDFONTEIN 89**

#### **INTEGRATED MANAGEMENT SYSTEM (IMS)**



- **OHSAS 18001:2007**
- **ISO 9001:2008**
- **ISO 14001:2004**
- **ISSUE BASED RISK ASSESSMENT**
- **ENVIRONMENTAL IMPACT ASSESSMENT**

**SEPTMEBER 2015**

#### **PROJECT TEAM**

**N. MOGRIDGE – OPERATIONS MANAGER**

**E. CROUS – SHE MANAGER**

**E. VD BERG – SITE MANAGER 2.6.1**

**A. BIRCH – CLIENT REPRESENTATIVE 2.6.1**

# GEOSERVE EXPLORATION DRILLING PTY LTD.

## INTERNAL AUDIT TEAM SUMMARY

SPECIAL REPORT  
QUALITY AND SHE  
SHEQIA01/2015

### ACTIVITY

16/07/2015

*Mobilizing Equipment to site – Zandfontein. Pre - discussion with crew relating to access roads and Environmental Impact.*



16/07/2015

*Discussion with Client Environmental Representative and induction program. Geoserve internal induction program with client with regards to Operational Hazards and Environmental Impact. Occupational Health, Safety and Environmental Document Audit Client. Positive feedback from Client representative.*



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### ACTIVITY

**17/07/2015**

*Site Establishment. Emphasis on spillage prevention. All equipment placed on plastic liner in order to contain any accidental spill etc. Issue Based Risk Assessment discussed with crew member and register completed.*

*Sump Skip system located in area where all drill sludge can be bagged and transported to Enviroserve located in Cape Town*

*Started pumping water – avg. 3600l / hour.*



**17/07/2015**

*Area demarcated in order to prevent any stray animal entering. Environmental Spillkit located at entrance.*

*First Aid Station located at entrance.*





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SHEQIA01/2015

<b>ACTIVITY</b>	
<p><b>18/07/2015</b></p> <p><i>Complete Site set up – demarcation, Emergency Procedure, Waste Control, Core Yard, Site office.</i></p>	
<p><b>19/07/2015</b></p> <p><i>DRILLING - START HOLE PQ3 – Drilled 3m</i></p>	

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SHEQIA01/2015

### ACTIVITY

**20/07/2015**

*Drill PQ3 to competent rock formation in order to ream 5'9/16 insert 141mm casing.*



**21-22/07/2015**

*Continue drilling PQ3 to competent rock formation in order to ream 5'9/16 insert 141mm casing.*

*Hole current depth 59.8m.*



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### ACTIVITY

**23/07/2015**

*Grouted hole 60m. Waiting for cement to dry 24/07/2015. Installed Burn out pit in case of gas blow out.*

**24/07/2015**

*Site visit Aubrey Withers for Environmental Inspection. Prof N Beukes visit.*



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### ACTIVITY

**25/07/2015** - Started Drilling HQ

**29/07/2015 – Drilling** :Hole Depth 196m.Struggling with broken formation

**3/08/2015**

**Drilling** - Hole depth 240m. Cleaning Sumps and bagging sludge for removal



**4/08/2015-** Hole Depth 269m. Struggling with broken formation.

**NOTE:** Currently running on a single shift due to exdtreme weather conditions at night. Production target may have to be adjsuted. Will advise in due course.

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Date: 2015/09/21

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# GEOSERVE EXPLORATION DRILLING PTY LTD.

## INTERNAL AUDIT TEAM SUMMARY

SPECIAL REPORT

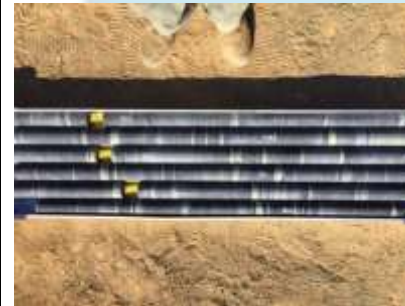
QUALITY AND SHE

SHEQIA01/2015

### ACTIVITY

**09/08/2015**

**Drilling** - Hole Depth 430m through white hill. No traces of CH4



**11/08/2015**

**Drilling** – Hole Depth 476.10m. No traces of CH4. Geologist Aleck Birch states that Prince Albert disposition is about 120m and would need 20m dolomite formation over

EOH estimated at 630m >

Daily production avg. 40m est. hole completion Friday 14 August 2015





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SHEQIA01/2015

### ACTIVITY

**27 AUGUST 2015** - HOLE COMPLETED END OF HOLE 671M. CREW ON BREAK TO RETURN ON 7 SEPTMEBER 2015

**29 AUGUST 2015** – DOWNHOLE SUREVY COMPLETED

**7 SEPTMEBER** – START PLUGGING HOLE.

**12 SEPTMEBER** – HOLE PLUGGED AND REHAB COMMENCED



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### **14 – 16 SEPTEMBER 2015 – CONTINUE SITE REHABILITATION**



### **17 SEPTMEBER 2015 – FINAL SITE VIST AUBREY WITHERS**

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### **FOCUS AREA RESULTS**

### **CONCLUSION / NEXT STEP**

- *Site Managers / Supervisors to focus on pre shift toolbox talks and Risk Assessments. Coach Employees daily with regards to EMP and any impact.*
- *Conduct Safety and Environmental Awareness sessions put emphasis on preventative actions in order to reduce risk and Environmental Impact*

<b>MANAGEMENT TEAM</b>	<b>SIGNATURE</b>	<b>DATE</b>
<b>C MOREL - COO</b>		<b>21/09/2015</b>
<b>TE CROUS - SHEQ MANAGER</b>		<b>21/09/2015</b>
<b>S MOGRIDGE - CEO</b>		<b>21/09/2015</b>

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